بسم الله الرحمن الرحيم

Jenkins:

It is an server develop to automate the built , run and more automated processes .” In a nutshell, Jenkins is the leading open-source automation server. Built with Java, it provides over 1000 plugins to support automating virtually anything, so that humans can actually spend their time doing things machines cannot”( kohsuke). Use Jenkins to automate your development workflow so you can focus on work that matters most. Jenkins is commonly used for:

* Building projects (EX: platform category ).
* Running tests to detect bugs and other issues as soon as they are introduced
* Static code analysis
* Deployment ( EX :deploy to container plugin ).

(<https://github.com/jenkinsci/jenkins>)

it develop by  [Kohsuke Kawaguchi](https://www.cloudbees.com/team/kohsuke-kawaguchi) in 2004 in name “hudson “ .develop in java .

how it is work :

Travis ci :

 It is a hosted continuous integration and deployment system. There are two versions of it, [travis-ci.com](https://travis-ci.com/) for private repositories, and [travis-ci.org](https://travis-ci.org/) for public repositories.

How It is work :

You have to connect you github account with the travis-ci.org or .com and then you can do the following :

* Detect the git repository the the travis ci most triggered
* Get report about the CI processes .
* Detect when to travis do hes processes(auto-build , auto-run).

Travis actually trigger file call .travis.yml this file do content description of run and build environment and customizing the build.

Comparing :-

There is big differences between Jenkins and travis ci in many aspects (technical and usability).

Technicaly :

|  |  |
| --- | --- |
| Jenkins | Travis |
| Jenkins is a server you just need server device and install Jenkins in it and config your company employees (developer , tester … etc. ) that gone dial with CI\CD processes . | Travis is a web site application tregare github repositories and run structure file (.traivs.yml) |
| Work with plug-in | Did not work with plugin . |

Usability :

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| --- | --- |
| Jenkins | Travis |
| More complex in the use :  Jenkins user interface more complex and need more time to learned. | Travis match esey :  **UI match esey in use you learn it very quickly** |
|  |  |

Felixability :

|  |  |
| --- | --- |
| Jenkins | Travis |
| You can develop your own plug-in and use it. | Travis not working with plug-in |
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